RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/582,613_
Source: _iFWP_
Date Processed by STIC: _6/21/06_

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: _10/582,613_   CRF Edit Date: _6/23/06_
Edited by: _JW_

_____ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

_____ Corrected the SEQ ID NO. Sequence numbers edited were:

_____

_____ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

_✓_ Deleted: _✓_ invalid beginning/end-of-file text ; ___ page numbers

_____ Inserted mandatory headings/numeric identifiers, specifically:

_____

_____ Moved responses to same line as heading/numeric identifier, specifically:

_____

_____ Other:

_____
_____
_____

Revised 09/09/2003

IFWP

RAW SEQUENCE LISTING   DATE: 06/23/2006
PATENT APPLICATION: US/10/582,613   TIME: 11:17:04

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\06232006\J582613.raw**

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   3 <110> APPLICANT: Institut Pasteur
   4       Institut National de la Sante et de la Recherche Medicale (INSERM)
   5       LIM Annick Michele Yvonne
   6       LEMERCIER Brigitte Marie-Christine Renee
   7       KOURILSKY Philippe
   8       HUETZ Francois Andre
  10 <120> TITLE OF INVENTION: Repertoire determination of a lymphocyte B population
  12 <130> FILE REFERENCE: D21747
C-->14 <140> CURRENT APPLICATION NUMBER: US/10/582,613
C-->14 <141> CURRENT FILING DATE: 2006-06-12
  14 <150> PRIOR APPLICATION NUMBER: PCT/IB2004/004413
  15 <151> PRIOR FILING DATE: 2004-12-15
  17 <150> PRIOR APPLICATION NUMBER: EP 03/293,159
  18 <151> PRIOR FILING DATE: 2003-12-15
  20 <150> PRIOR APPLICATION NUMBER: US 10/734,622
  21 <151> PRIOR FILING DATE: 2003-12-15
  23 <160> NUMBER OF SEQ ID NOS: 47
  25 <170> SOFTWARE: PatentIn version 3.2
  27 <210> SEQ ID NO: 1
  28 <211> LENGTH: 21
  29 <212> TYPE: DNA
  30 <213> ORGANISM: Artificial
  32 <220> FEATURE:
  33 <221> NAME/KEY: source
  34 <222> LOCATION: (1)..(21)
  35 <223> OTHER INFORMATION: /note="description of artificial sequence: Forward primer
HUMVH1a
  36       specific for the nucleic acid encoding a VH segment of the VH1
  37       subgroup"
  39 <400> SEQUENCE: 1
  40 agtgaaggtc tcctgcaagg c                                              21
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  44 <211> LENGTH: 21
  45 <212> TYPE: DNA
  46 <213> ORGANISM: Artificial
  48 <220> FEATURE:
  49 <221> NAME/KEY: source
  50 <222> LOCATION: (1)..(21)
  51 <223> OTHER INFORMATION: /note="description of artificial sequence: Forward primer
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  52       specific for the nucleic acid encoding a VH segment of the VH1
  53       subgroup"
  55 <400> SEQUENCE: 2
  56 agtgaaggtt tcctgcaagg c                                              21
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 61 <212> TYPE: DNA
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 65 <221> NAME/KEY: source
 66 <222> LOCATION: (1)..(21)
 67 <223> OTHER INFORMATION: /note="description of artificial sequence: Forward primer
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 68      specific for the nucleic acid encoding a VH segment of the VH1
 69      subgroup"
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 72 agtgaarrtc tcctgcaagg t                                          21
 75 <210> SEQ ID NO: 4
 76 <211> LENGTH: 19
 77 <212> TYPE: DNA
 78 <213> ORGANISM: Artificial
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 81 <221> NAME/KEY: source
 82 <222> LOCATION: (1)..(19)
 83 <223> OTHER INFORMATION: /note="description of artificial sequence: Forward primer
HUMVH2
 84      specific for the nucleic acid encoding a VH segment of the VH2
 85      subgroup"
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 88 aacccacasa gaccctcac                                             19
 91 <210> SEQ ID NO: 5
 92 <211> LENGTH: 24
 93 <212> TYPE: DNA
 94 <213> ORGANISM: Artificial
 96 <220> FEATURE:
 97 <221> NAME/KEY: source
 98 <222> LOCATION: (1)..(24)
 99 <223> OTHER INFORMATION: /note="description of artificial sequence: Forward primer
100      HUMVH3aa specific for the nucleic acid encoding a VH segment of
101      the VH3a subgroup"
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104 gcagattcac catctcaaga gatg                                       24
107 <210> SEQ ID NO: 6
108 <211> LENGTH: 24
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial
112 <220> FEATURE:
113 <221> NAME/KEY: source
114 <222> LOCATION: (1)..(24)
115 <223> OTHER INFORMATION: /note="description of artificial sequence: Forward primer
116      HUMVH3ab specific for the nucleic acid encoding a VH segment of
117      the VH3a subgroup"
119 <400> SEQUENCE: 6
120 gcaggttcac catctccaga gatg                                       24
123 <210> SEQ ID NO: 7
124 <211> LENGTH: 22
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126 <213> ORGANISM: Artificial
128 <220> FEATURE:
129 <221> NAME/KEY: source
130 <222> LOCATION: (1)..(22)
131 <223> OTHER INFORMATION: /note="description of artificial sequence: Forward primer
132       HUMVH3ba specific for the nucleic acid encoding a VH segment of
133       the VH3b subgroup"
135 <400> SEQUENCE: 7
136 gccgattcac catctccaga ga                                          22
139 <210> SEQ ID NO: 8
140 <211> LENGTH: 22
141 <212> TYPE: DNA
142 <213> ORGANISM: Artificial
144 <220> FEATURE:
145 <221> NAME/KEY: source
146 <222> LOCATION: (1)..(22)
147 <223> OTHER INFORMATION: /note="description of artificial sequence: Forward primer
148       HUMVH3bb specific for the nucleic acid encoding a VH segment of
149       the VH3b subgroup"
151 <400> SEQUENCE: 8
152 gcagattcac catctccaga ga                                          22
155 <210> SEQ ID NO: 9
156 <211> LENGTH: 22
157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial
160 <220> FEATURE:
161 <221> NAME/KEY: source
162 <222> LOCATION: (1)..(22)
163 <223> OTHER INFORMATION: /note="description of artificial sequence: Forward primer
164       HUMVH3bc specific for the nucleic acid encoding a VH segment of
165       the VH3b subgroup"
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168 gccgattcac catctccagg ga                                          22
171 <210> SEQ ID NO: 10
172 <211> LENGTH: 22
173 <212> TYPE: DNA
174 <213> ORGANISM: Artificial
176 <220> FEATURE:
177 <221> NAME/KEY: source
178 <222> LOCATION: (1)..(22)
179 <223> OTHER INFORMATION: /note="description of artificial sequence: Forward primer
180       HUMVH3bd specific for the nucleic acid encoding a VH segment of
181       the VH3b subgroup"
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184 gcaggttcac catctccaga ga                                          22
187 <210> SEQ ID NO: 11
188 <211> LENGTH: 22
189 <212> TYPE: DNA
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RAW SEQUENCE LISTING   DATE: 06/23/2006
PATENT APPLICATION: US/10/582,613   TIME: 11:17:04

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\06232006\J582613.raw**

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190 <213> ORGANISM: Artificial
192 <220> FEATURE:
193 <221> NAME/KEY: source
194 <222> LOCATION: (1)..(22)
195 <223> OTHER INFORMATION: /note="description of artificial sequence: Forward primer
HUMVH4a
196       specific for the nucleic acid encoding a VH segment of the VH4
197       subgroup"
199 <400> SEQUENCE: 11
200 ctacaacccg tccctcaaga gt                                              22
203 <210> SEQ ID NO: 12
204 <211> LENGTH: 22
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial
208 <220> FEATURE:
209 <221> NAME/KEY: source
210 <222> LOCATION: (1)..(22)
211 <223> OTHER INFORMATION: /note="description of artificial sequence: Forward primer
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212       specific for the nucleic acid encoding a VH segment of the VH4
213       subgroup"
215 <400> SEQUENCE: 12
216 ctacaacccc tccctcaaga gt                                              22
219 <210> SEQ ID NO: 13
220 <211> LENGTH: 18
221 <212> TYPE: DNA
222 <213> ORGANISM: Artificial
224 <220> FEATURE:
225 <221> NAME/KEY: source
226 <222> LOCATION: (1)..(18)
227 <223> OTHER INFORMATION: /note="description of artificial sequence: Forward primer
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228       specific for the nucleic acid encoding a VH segment of the VH5
229       subgroup"
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232 gtgaaaaagc ccggggag                                                   18
235 <210> SEQ ID NO: 14
236 <211> LENGTH: 18
237 <212> TYPE: DNA
238 <213> ORGANISM: Artificial
240 <220> FEATURE:
241 <221> NAME/KEY: source
242 <222> LOCATION: (1)..(18)
243 <223> OTHER INFORMATION: /note="description of artificial sequence: Forward primer
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244       specific for the nucleic acid encoding a VH segment of the VH6
245       subgroup"
247 <400> SEQUENCE: 14
248 tccggggaca gtgtctct                                                   18
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252 <211> LENGTH: 21
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial
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256 <220> FEATURE:
257 <221> NAME/KEY: source
258 <222> LOCATION: (1)..(21)
259 <223> OTHER INFORMATION: /note="description of artificial sequence: Forward primer
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260      specific for the nucleic acid encoding a VH segment of the VH7
261      subgroup"
263 <400> SEQUENCE: 15
264 ggtgcaatct gggtctgagt t                                         21
267 <210> SEQ ID NO: 16
268 <211> LENGTH: 17
269 <212> TYPE: DNA
270 <213> ORGANISM: Artificial
272 <220> FEATURE:
273 <221> NAME/KEY: source
274 <222> LOCATION: (1)..(17)
275 <223> OTHER INFORMATION: /note="description of artificial sequence: Reverse primer
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276      specific for the nucleic acid encoding a JH segment of the JH1
277      subgroup"
279 <400> SEQUENCE: 16
280 ccctggcccc agtgctg                                              17
283 <210> SEQ ID NO: 17
284 <211> LENGTH: 18
285 <212> TYPE: DNA
286 <213> ORGANISM: Artificial
288 <220> FEATURE:
289 <221> NAME/KEY: source
290 <222> LOCATION: (1)..(18)
291 <223> OTHER INFORMATION: /note="description of artificial sequence: Reverse primer
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292      specific for the nucleic acid encoding a JH segment of the JH2
293      subgroup"
295 <400> SEQUENCE: 17
296 ccacggcccc agagatcg                                             18
299 <210> SEQ ID NO: 18
300 <211> LENGTH: 23
301 <212> TYPE: DNA
302 <213> ORGANISM: Artificial
304 <220> FEATURE:
305 <221> NAME/KEY: source
306 <222> LOCATION: (1)..(23)
307 <223> OTHER INFORMATION: /note="description of artificial sequence: Reverse primer
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308      specific for the nucleic acid encoding a JH segment of the JH3
309      subgroup"
311 <400> SEQUENCE: 18
312 ccccttggccc cagayatcaa aag                                      23
315 <210> SEQ ID NO: 19
316 <211> LENGTH: 19
317 <212> TYPE: DNA
318 <213> ORGANISM: Artificial
320 <220> FEATURE:
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 06/23/2006
PATENT APPLICATION: **US/10/582,613**   TIME: 11:17:05

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\06232006\J582613.raw**

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27
Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47

VERIFICATION SUMMARY   DATE: 06/23/2006
PATENT APPLICATION: **US/10/582,613**   TIME: 11:17:05

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\06232006\J582613.raw**

L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date

Raw Sequence Listing before editing (for reference only)

IFWP

RAW SEQUENCE LISTING   DATE: 06/21/2006
PATENT APPLICATION: US/10/582,613   TIME: 11:22:59

Input Set : **A:\pto.kd.txt**
Output Set: **N:\CRF4\06212006\J582613.raw**

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  3 <110> APPLICANT: Institut Pasteur
  4        Institut National de la Sante et de la Recherche Medicale (INSERM)
  5        LIM Annick Michele Yvonne
  6        LEMERCIER Brigitte Marie-Christine Renee
  7        KOURILSKY Philippe
  8        HUETZ Francois Andre
 10 <120> TITLE OF INVENTION: Repertoire determination of a lymphocyte B population
 12 <130> FILE REFERENCE: D21747
```
C--> ` 14 <140> CURRENT APPLICATION NUMBER: US/10/582,613`
C--> ` 15 <141> CURRENT FILING DATE: 2006-06-12`
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 17 <150> PRIOR APPLICATION NUMBER: EP 03/293,159
 18 <151> PRIOR FILING DATE: 2003-12-15
 20 <150> PRIOR APPLICATION NUMBER: US 10/734,622
 21 <151> PRIOR FILING DATE: 2003-12-15
 23 <160> NUMBER OF SEQ ID NOS: 47
 25 <170> SOFTWARE: PatentIn version 3.2
```

ERRORED SEQUENCES

**Does Not Comply
Corrected Diskette Needed**

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773 <210> SEQ ID NO: 47
774 <211> LENGTH: 21
775 <212> TYPE: DNA
776 <213> ORGANISM: Artificial
778 <220> FEATURE:
779 <221> NAME/KEY: source
780 <222> LOCATION: 1..21
782 <223> OTHER INFORMATION: /note="Description of artificial sequence: VH4 internal
783        forward primer specific for the nucleic acid encoding
784        a VH segment of the VH4 subgroup
786 <400> SEQUENCE: 47
787 ctcacctgcr ctgtctctgg t                                      21
```
E--> ` 797 (1`

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 06/21/2006
PATENT APPLICATION: US/10/582,613   TIME: 11:23:01

Input Set : A:\pto.kd.txt
Output Set: N:\CRF4\06212006\J582613.raw

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27
Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47

VERIFICATION SUMMARY   DATE: 06/21/2006
PATENT APPLICATION: **US/10/582,613**   TIME: 11:23:01

Input Set : **A:\pto.kd.txt**
Output Set: **N:\CRF4\06212006\J582613.raw**

L:14 M:270 C: Current Application Number differs, Replaced Current Application Number
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:797 M:254 E: No. of Bases conflict, this line has no nucleotides.